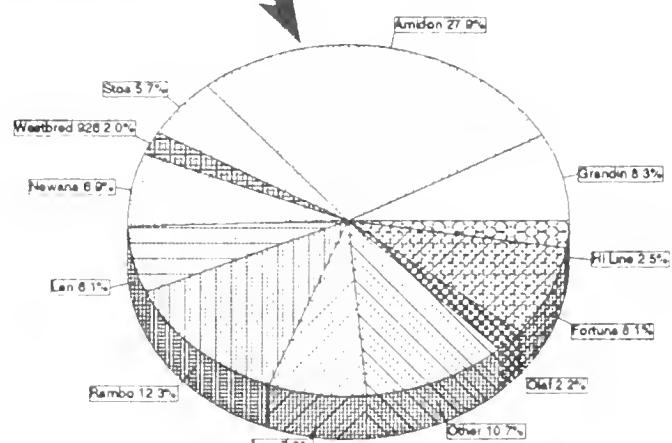
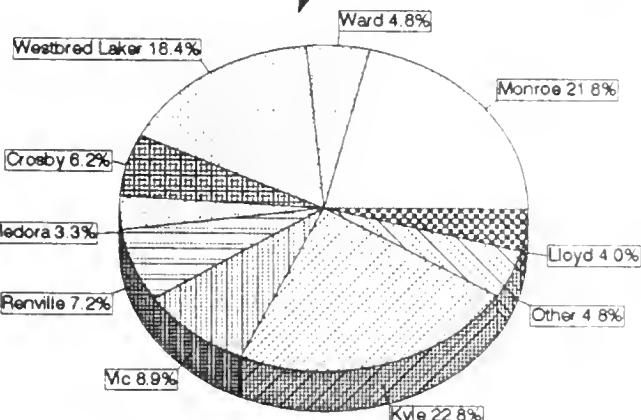
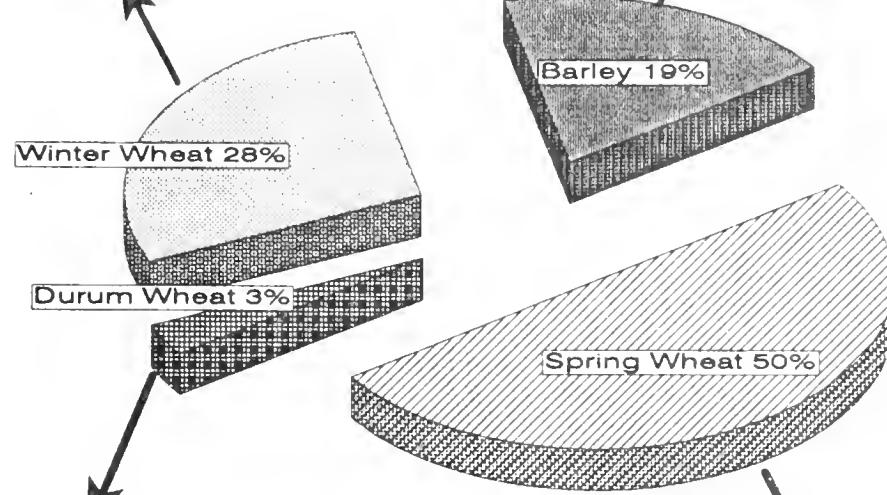
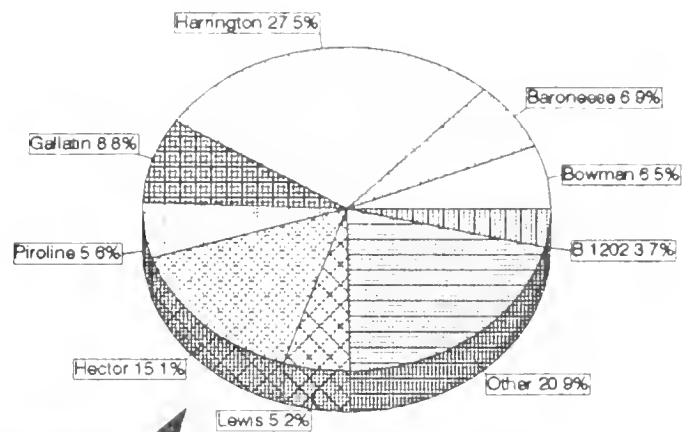
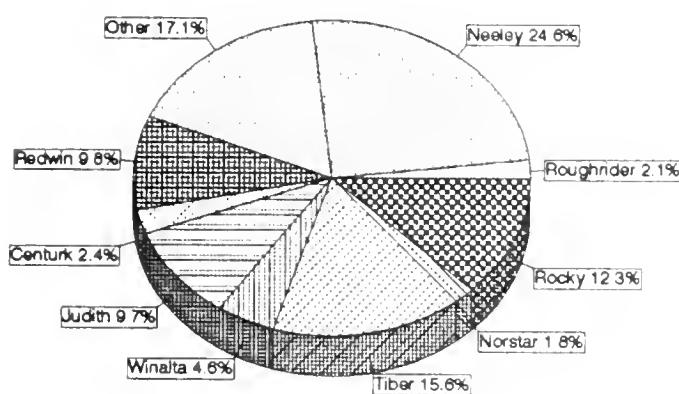


Wheat & Barley Varieties Montana - 1994



MONTANA STATE LIBRARY



3 0864 0014 0192 9

TABLE OF CONTENTS

<i>Foreword</i>	1
<i>Winter Wheat Varieties</i>	2
Percent of Total Seeded Acreage 1988-94 & Seeded Acreage	
Major Winter Wheat Varieties as Percent of Total 1988-94	3
Winter Wheat Varieties: 1994 Seeded Acreage & Percent of Total by Districts	4
Top Three Winter Wheat Varieties & Percent by District	
1994 Winter Wheat Varieties	5
<i>Spring Wheat Varieties</i>	6
Percent of Total Seeded Acreage 1988-94 & Seeded Acreage	
Major Spring Wheat Varieties as Percent of Total 1988-94	7
Spring Wheat Varieties: 1994 Seeded Acreage & Percent of Total by Districts	8
Top Three Spring Wheat Varieties & Percent by District	
1994 Spring Wheat Varieties	9
<i>Durum Wheat Varieties</i>	10
Percent of Total Seeded Acreage 1988-94 & Seeded Acreage	
1994 Seeded Acreage & Percent of Total by Districts	11
Major Durum Wheat Varieties as Percent of Total 1988-94	
1994 Durum Wheat Varieties	12
<i>Barley Varieties</i>	13
Percent of Total Seeded Acreage 1988-94 & Seeded Acreage	
Major Barley Varieties as Percent of Total 1988-94	14
Montana Barley Varieties: 1994 Seeded Acreage & Percent of Total by Districts	15
Top Three Barley Varieties & Percent Planted by District	
1994 Barley Varieties	16
<i>Montana's Rank</i>	17

WINTER WHEAT

Neeley, which accounts for about one fourth of the winter wheat planted in Montana, remains in the top position for the seventh consecutive year. It continues to be the top variety in the central and southwest districts. It is a semi-dwarf, intermediate maturing variety. Neeley has moderate to good milling and baking qualities, but has a 1 to 3 percent lower protein content than other recommended varieties.

Tiber, released in 1987 by the Montana Agricultural Experiment Station, moved up two positions to second place this year. Tiber accounted for about 16 percent of the winter wheat acreage, or up 5 points from a year ago. Tiber has high yield potential, good winter hardiness and drought tolerance. It also has average milling and baking qualities.

Rocky dropped one spot to third place, with slightly more than 12% of the acreage. It is the most frequently planted variety in the North Central district. It is a superior yielding variety under most conditions. Rocky has average milling and baking qualities.

Redwin dropped to fourth place, down one from a year ago. It accounts for about 10% of the total winter wheat acreage. Redwin has good yield potential, winter hardiness, shatter and lodging resistance. Its protein level has been excellent. The milling and baking qualities of Redwin are excellent.

The top four varieties accounted for 62 percent of the winter wheat acreage seeded in 1994 compared with 55 percent for the same varieties in 1993.

Winter Wheat

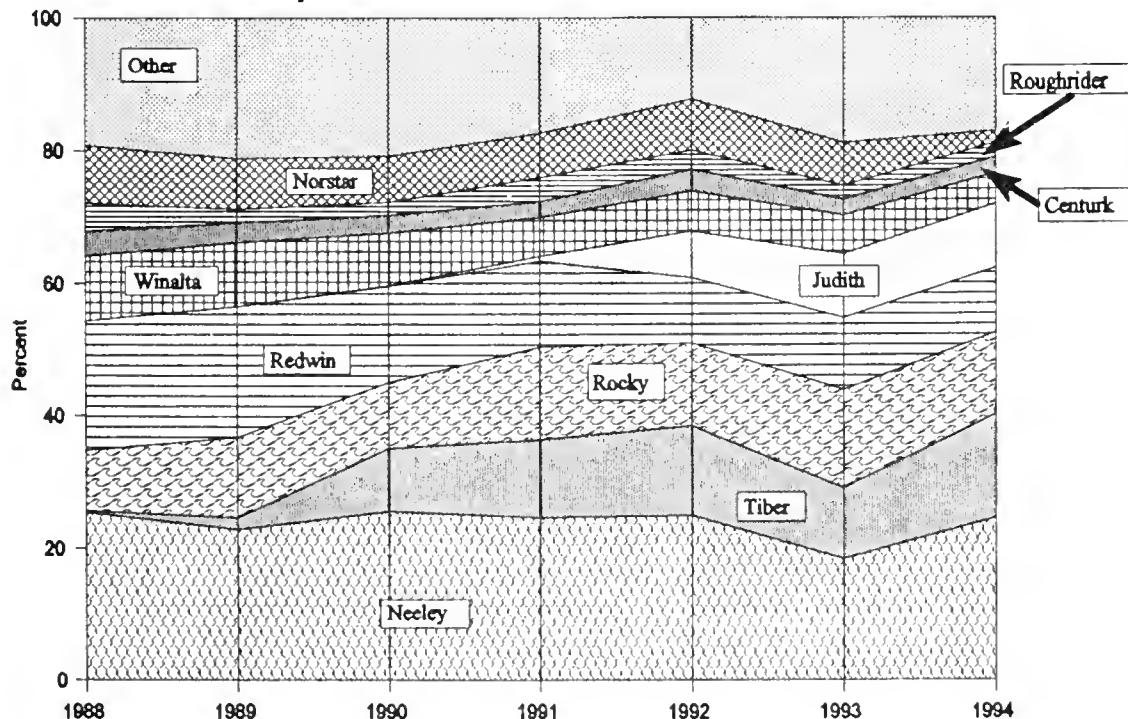
Percent of Total Seeded Acreage 1988-1994 and Seeded Acreage 1993-1994

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1988	1989	1990	1991	1992	1993	1994	1993 ¹	1994
Neeley	25.5	22.8	25.7	24.7	25.0	18.4	24.6	488.3	480.6
Tiber	0.3	1.9	9.5	11.7	13.5	10.7	15.6	284.4	304.0
Rocky	9.0	12.0	9.9	14.0	12.5	14.8	12.3	391.9	240.2
Redwin	19.6	19.8	14.5	13.0	9.9	10.8	9.8	285.0	191.4
Judith	—	—	0.1	0.8	7.0	9.8	9.7	259.4	188.8
Winalta	9.8	9.7	8.0	5.8	6.1	5.8	4.6	153.7	90.3
Centurk	3.8	3.0	2.7	2.4	3.3	2.4	2.4	63.4	46.9
Roughrider	4.1	2.0	1.9	3.6	2.8	2.0	2.1	53.6	41.5
Norstar	8.7	7.6	6.9	6.6	7.6	6.4	1.8	168.9	34.7
Warrior	0.8	1.0	1.1	0.4	0.7	1.1	1.7	28.7	33.6
Bighorn	0.1	0.3	0.6	0.8	0.3	1.0	1.4	25.3	26.7
Weston	1.1	1.6	1.6	1.8	0.6	0.2	1.1	5.3	20.7
Quantum 542	—	—	—	—	—	0.3	1.0	8.0	20.1
Hawk	0.6	1.2	0.7	0.9	1.0	1.0	0.9	27.1	17.9
Seward	—	—	—	—	0.2	1.3	0.8	34.5	16.3
Rose	—	—	—	0.1	0.1	0.1	0.8	2.5	15.1
Hill 81	—	—	—	—	—	—	0.6	—	11.6
Cheyenne	1.7	1.4	1.8	1.2	0.8	1.0	0.6	26.9	11.3
Cimmaron	0.2	0.5	0.1	0.6	1.0	0.6	0.5	15.9	9.9
Vona	0.3	0.4	0.5	0.6	0.3	0.6	0.5	16.6	9.0
Agassiz	1.1	1.0	0.8	0.7	0.1	0.8	0.4	21.1	8.7
Trapper	—	—	—	—	0.1	0.1	0.4	1.5	7.8
Cree	2.9	3.1	3.9	2.0	0.8	0.6	0.3	16.8	5.4
Malcolm	—	—	—	—	—	—	0.3	—	5.4
Other & Unknown	10.4	10.7	9.7	8.3	6.3	10.2	5.8	271.2	112.1
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2650.0	1950.0

¹Revised

Winter Wheat Varieties 1988-94

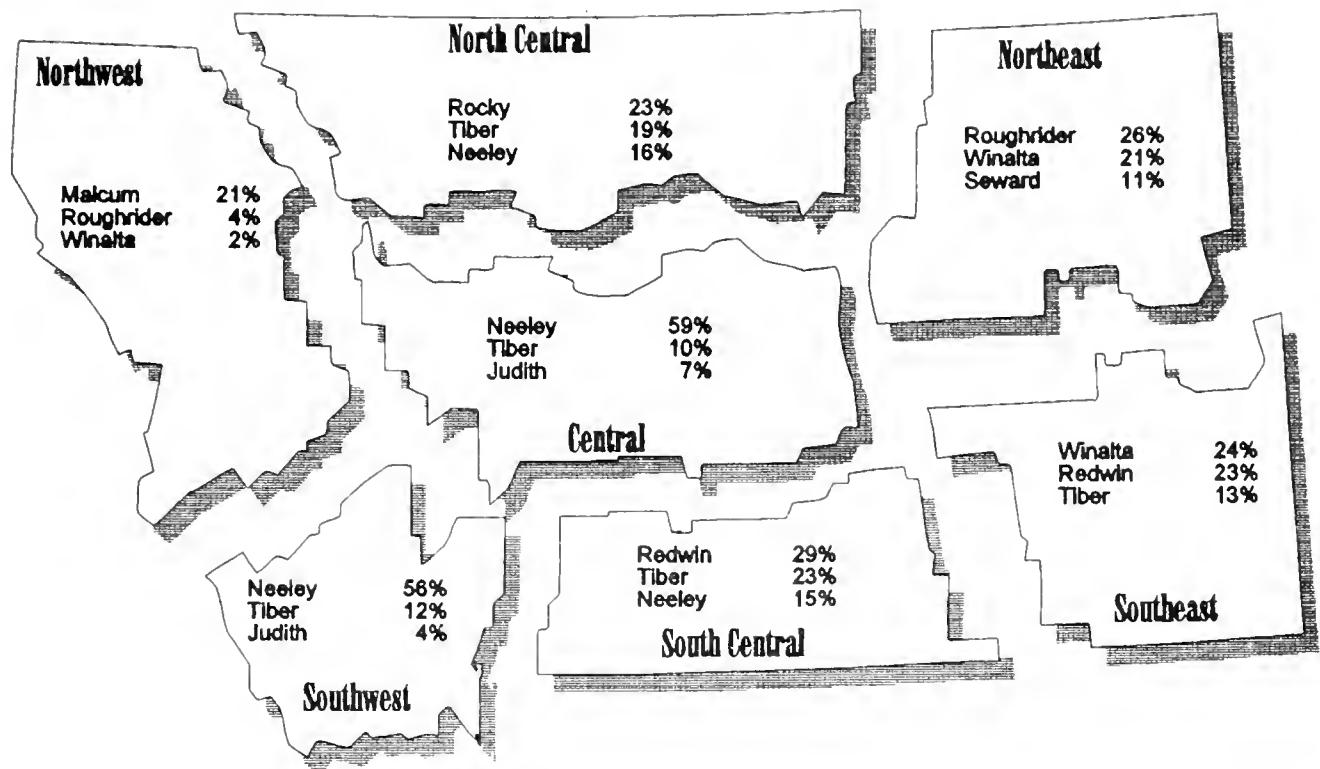
Major Varieties as Percent of Total



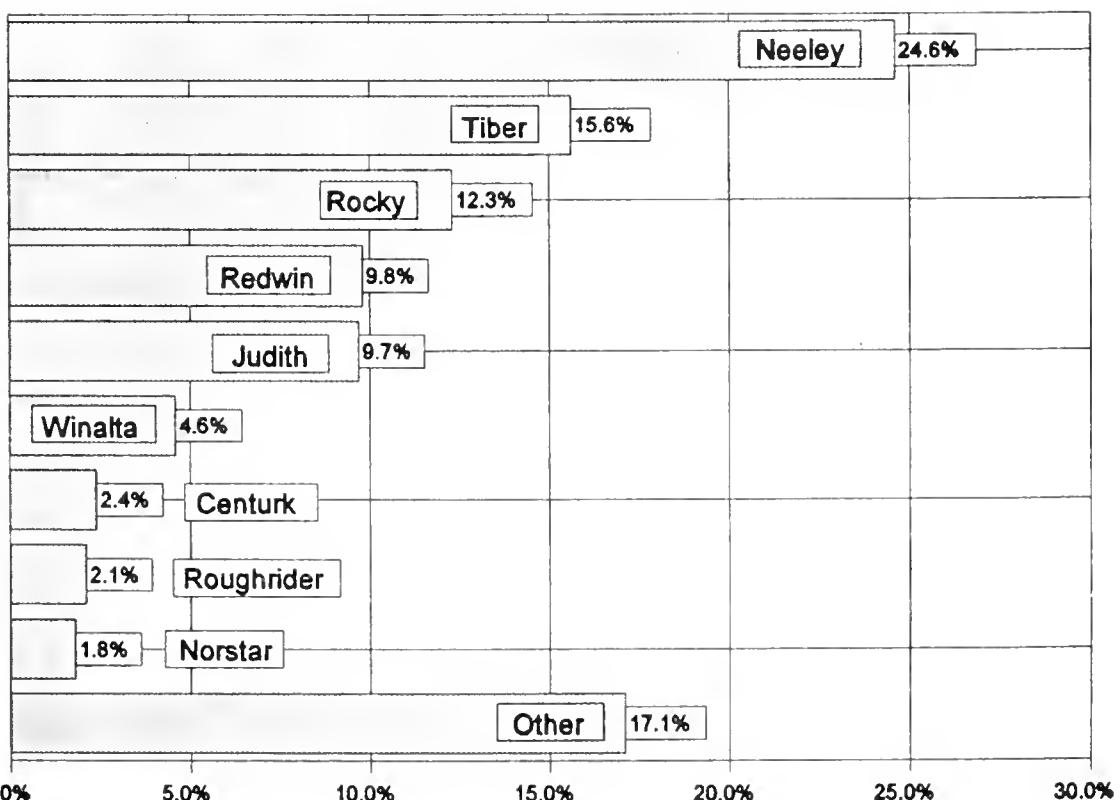
WINTER WHEAT VARIETIES
1994 Seeded Acreage and Percent of Total by Districts

VARIETY	NORTHWEST		NORTH CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST		STATE	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neefey	-	-	141.3	15.7	12.6	8.1	254.1	59.1	22.4	56.0	40.8	15.4	9.4	7.0	480.6	24.6
Tiber	-	-	170.1	18.9	9.5	6.1	42.1	9.8	4.9	12.3	59.6	22.5	17.8	13.3	304.0	15.6
Rocky	-	-	208.8	23.2	-	-	31.0	7.2	0.4	1.0	-	-	-	-	240.2	12.3
Redwin	-	-	57.6	6.4	10.5	6.8	15.5	3.6	1.4	3.5	75.8	28.6	30.6	22.8	191.4	9.8
Judith	-	-	139.5	15.5	7.8	5.0	31.4	7.3	1.6	4.0	8.5	3.2	-	-	188.8	9.7
Winalta	0.4	1.5	22.5	2.5	33.0	21.3	2.6	0.6	-	-	-	-	31.8	23.7	90.3	4.6
Centurk	-	-	40.5	4.5	-	-	4.3	1.0	-	-	2.1	0.8	-	-	46.9	2.4
Roughrider	1.0	3.8	-	-	40.0	25.8	-	-	-	-	-	-	0.5	0.4	41.5	2.1
Norstar	-	-	33.3	3.7	1.4	0.9	-	-	-	-	-	-	-	-	34.7	1.8
Warrior	-	-	-	-	-	-	-	-	-	-	-	-	16.2	6.1	17.4	1.7
Bighorn	-	-	9.9	1.1	-	-	-	-	16.8	3.9	-	-	-	-	-	33.6
Weston	-	-	-	-	-	-	-	-	-	-	20.7	7.8	-	-	-	26.7
Quantum-542	-	-	15.3	1.7	0.8	0.5	-	-	-	-	4.0	1.5	-	-	20.1	1.0
Hawk	-	-	-	-	-	-	-	-	-	-	17.0	6.4	0.9	0.7	17.9	0.9
Seward	-	-	-	-	16.3	10.5	-	-	-	-	-	-	-	-	16.3	0.8
Rose	-	-	-	-	-	-	-	-	-	-	-	-	15.1	11.3	15.1	0.8
Hill 81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.6	0.6
Cheyenne	-	-	3.6	0.4	-	-	4.3	1.0	-	-	3.4	1.3	-	-	11.3	0.6
Cimmaron	-	-	9.9	1.1	-	-	-	-	-	-	-	-	-	-	9.9	0.5
Vona	-	-	9.0	1.0	-	-	-	-	-	-	-	-	-	-	9.0	0.5
Agassiz	-	-	-	-	8.7	5.6	-	-	-	-	-	-	-	-	8.7	0.4
Trapper	-	-	-	-	7.8	5.0	-	-	-	-	-	-	-	-	7.8	0.4
Cree	-	-	5.4	0.6	-	-	-	-	-	-	-	-	-	-	5.4	0.3
Malcom	5.4	20.8	-	-	-	-	-	-	-	-	-	-	-	-	5.4	0.3
Other & Unknown	19.2	73.9	33.3	3.7	6.6	4.4	16.3	3.8	9.3	23.2	16.9	6.4	10.5	7.8	112.1	5.8
State	26.0	100.0	900.0	100.0	155.0	100.0	430.0	100.0	40.0	100.0	265.0	100.0	134.0	100.0	1950.0	100.0

Top Three Winter Wheat Varieties and Percent by District



1994 Winter Wheat Varieties



SPRING WHEAT

Amidon ND(606), with about 28 percent of the spring wheat acreage, holds on to first place. Its acreage increased by 19 percent over a year ago. Amidon, released in 1988 by NDSU, is especially adapted to dryland conditions where it has excellent yield potential. It has good resistance to both leaf and stem rust, has root rot tolerance and good milling qualities.

WestBred Rambo kept its second position, being planted on over 12 percent of the spring wheat acreage. North Central district producers seeded 89 percent of the WestBred Rambo acreage. Released by Western Plant Breeders, it is a semi-dwarf variety with sawfly and lodging resistance.

Grandin replaced Newana in the third position. Its acreage nearly tripled from last year and now accounts for over 8 percent of the total spring wheat acreage. Released in North Dakota in 1989, Grandin is a semi-dwarf, early maturity spring wheat that is resistant to stem and leaf rust with high test weights and average protein.

Fortuna moved into fourth place this year being planted on over 8 percent of the spring wheat acres. Its acreage also increased more than two-fold from a year ago. It is a relatively high yielding variety with superior milling properties, and has acceptable baking properties.

The top four varieties accounted for 57 percent of the spring wheat acreage seeded in 1994 compared with 59 percent for the top four varieties in 1993.

Spring Wheat

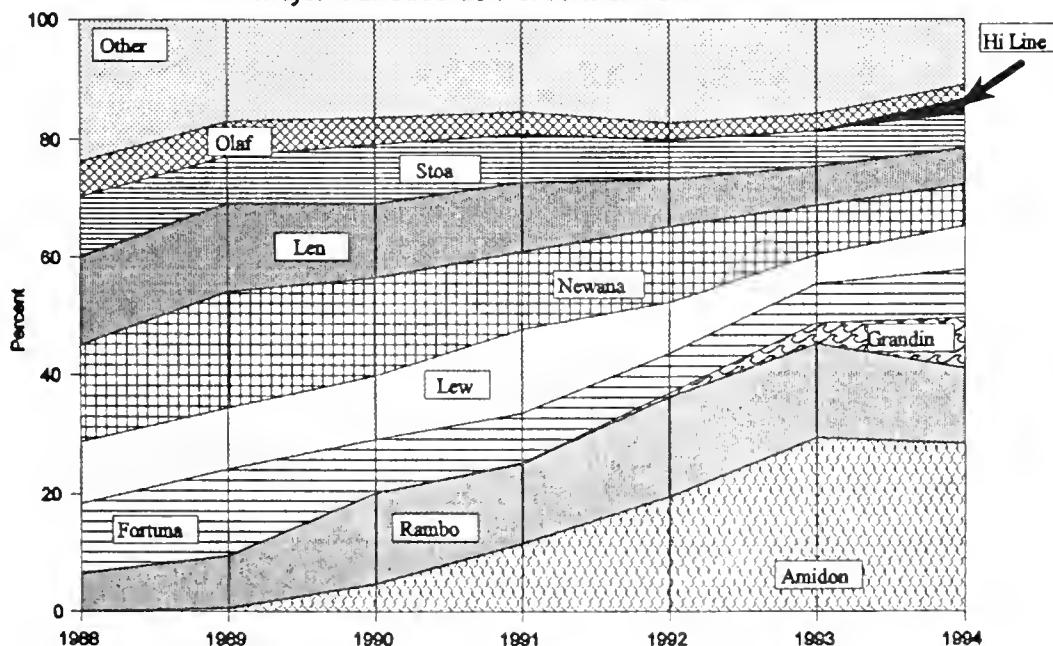
Percent of Total Seeded Acreage 1988-1994 and Seeded Acreage 1993-1994

Variety	Percent of Total Seeded Acreage							Seeded Acres(000)	
	1988	1989	1990	1991	1992	1993	1994	1993 ¹	1994
Amidon (ND 606)	—	0.6	4.7	11.7	19.6	29.0	27.9	798.1	948.5
Westbred Rambo	6.6	9.0	15.5	13.5	16.7	15.5	12.3	425.5	418.2
Grandin	—	—	—	0.2	0.7	3.4	8.3	94.1	281.6
Fortuna	11.8	14.6	9.0	8.2	6.6	6.6	8.1	181.0	277.0
Lew	10.4	10.2	10.7	14.1	8.7	5.0	7.3	138.5	247.6
Newana	16.2	19.7	16.6	13.3	12.9	8.2	6.9	225.1	233.7
Len	15.1	15.2	12.7	11.9	8.1	6.6	6.1	181.1	207.4
Stoa	10.3	7.9	10.0	8.1	6.7	5.9	5.7	162.0	193.2
Hi Line	—	—	—	—	—	0.4	2.5	11.0	83.9
Olaf	5.9	5.8	4.5	3.6	2.7	2.8	2.2	78.3	75.1
Westbred 926	0.1	0.1	0.3	0.7	0.9	1.5	2.0	41.4	67.7
Celtic	—	—	—	0.4	0.6	0.9	1.4	23.9	48.8
Glenman	1.1	2.4	1.4	1.5	0.7	1.4	0.9	38.0	31.9
Pondera	1.8	2.4	2.2	0.8	1.5	0.5	0.9	14.5	31.6
Leader	0.9	1.1	0.7	0.4	1.1	0.4	0.7	11.8	22.6
Northrup King 751	0.9	0.5	1.3	0.8	1.1	1.1	0.6	30.9	19.3
Success	2.4	1.0	0.5	0.1	0.2	0.1	0.4	2.8	14.9
Westbred Express	—	—	—	—	—	—	0.3	—	10.9
Cutlass	1.1	0.5	0.7	0.7	0.4	0.7	0.3	20.3	9.8
Bounty 309	0.3	0.2	0.2	0.3	0.6	—	0.2	—	8.4
Penawawa	—	—	—	—	0.1	0.5	0.2	12.4	8.2
Tioga	3.1	1.1	1.4	1.1	1.3	1.4	0.2	37.2	7.0
Westbred 906R	0.2	0.2	0.4	0.3	0.2	0.3	0.2	8.3	6.3
Westbred 936	—	—	—	—	—	—	0.2	—	5.7
Other & unknown	11.8	7.5	7.2	8.3	8.6	7.8	4.2	213.8	140.7
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2750.0	3400.0

¹ Revised

Spring Wheat Varieties - 1988-94

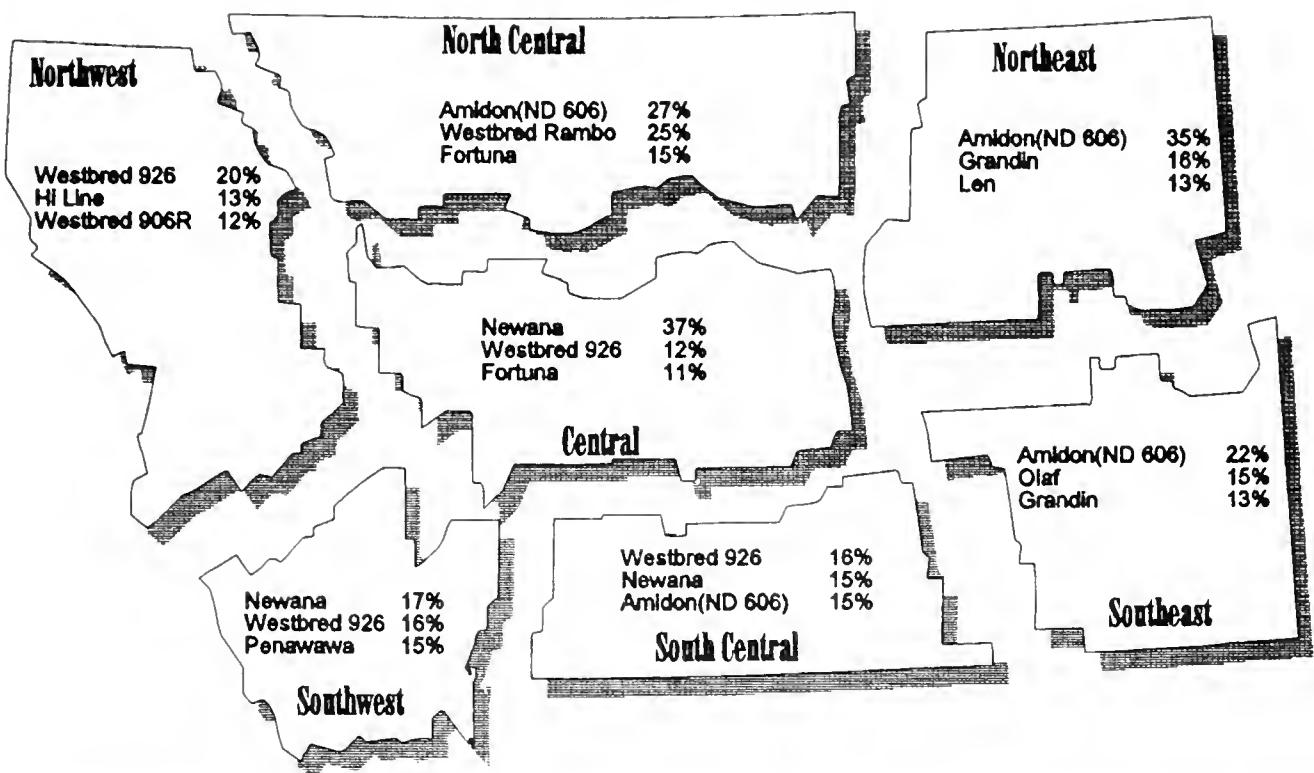
Major Varieties as Percent of Total



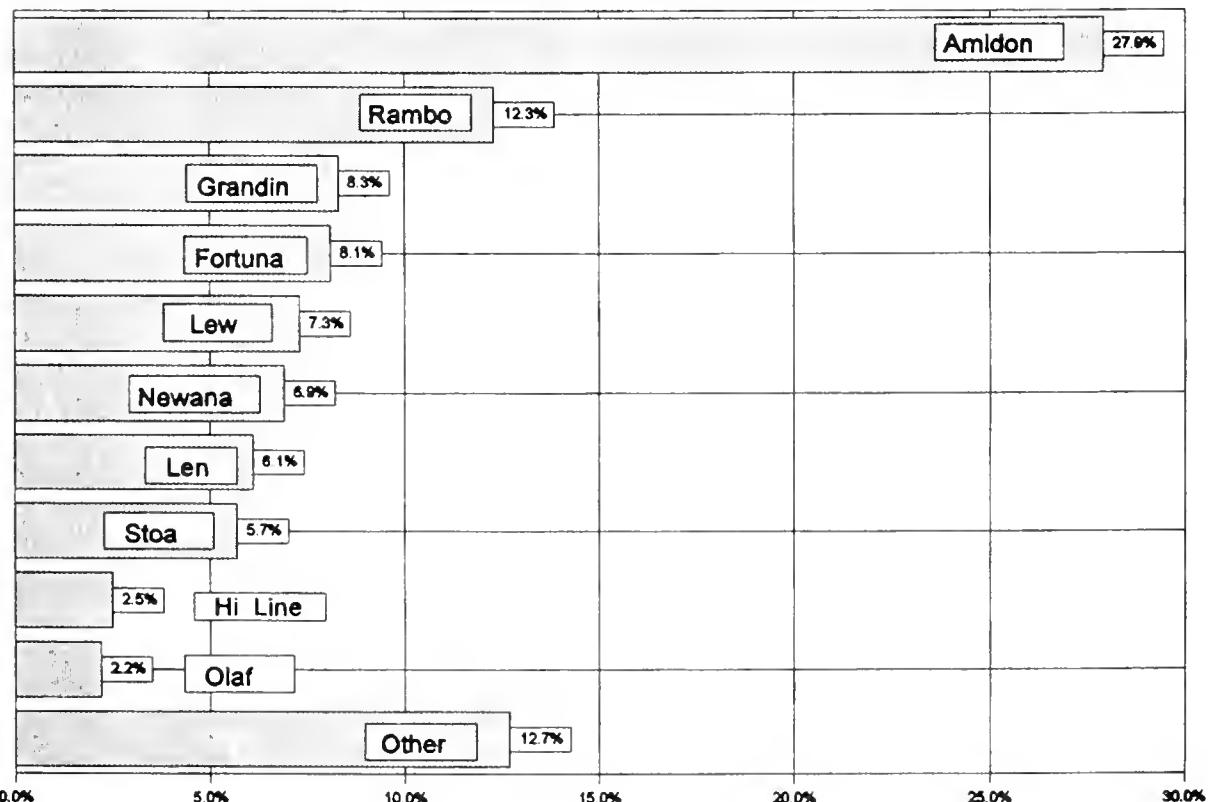
SPRING WHEAT VARIETIES
1994 Seeded Acreage and Percent of Total by Districts

VARIETY	NORTHWEST		NORTH CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST		STATE			
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%		
Amidon (ND 606)	0.6	2.1	390.7	26.8	485.4	34.5	23.4	9.8	—	—	8.8	14.7	39.6	22.1	948.5	27.9		
Westbred	—	—	370.3	25.4	39.4	2.8	7.9	3.3	—	—	0.6	1.0	—	—	418.2	12.3		
Rambo	0.6	2.1	23.3	1.6	230.7	16.4	4.1	1.7	—	—	—	—	22.9	12.8	281.6	8.3		
Grandin	—	—	215.8	14.8	32.4	2.3	25.6	10.7	0.3	1.0	2.0	3.3	0.9	0.5	277.0	8.1		
Fortuna	—	—	170.6	11.7	61.9	4.4	5.3	2.2	0.6	2.1	6.0	10.0	3.2	1.8	247.6	7.3		
Lew	—	—	112.3	7.7	11.3	0.8	87.5	36.6	4.9	16.9	9.2	15.4	5.7	3.2	233.7	6.9		
Newana	2.8	10.0	—	—	187.1	13.3	3.3	1.4	—	—	—	—	17.0	9.5	207.4	6.1		
Len	—	—	2.1	48.1	3.3	116.8	8.3	6.5	2.7	—	—	0.4	0.7	20.8	11.6	193.2	5.7	
Stoa	0.6	2.1	12.9	39.4	2.7	24.0	1.7	6.5	2.7	3.3	11.4	3.7	6.2	3.4	1.9	83.9	2.5	
Hi Line	3.6	12.9	—	1.5	0.1	45.0	3.2	1.2	0.5	—	—	—	—	27.4	15.3	75.1	2.2	
Olaf	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Westbred-926	5.7	20.4	17.5	1.2	—	—	29.2	12.2	4.7	16.2	9.7	16.2	0.9	0.5	67.7	2.0		
Celtic	—	—	1.5	0.1	38.0	2.7	—	—	—	—	—	—	9.3	5.2	48.8	1.4		
Glenman	—	—	10.2	0.7	19.7	1.4	1.2	0.5	—	—	0.8	1.3	—	—	31.9	0.9		
Pondera	—	—	11.7	0.8	4.2	0.3	9.3	3.9	3.2	11.0	3.2	5.3	—	—	—	31.6	0.9	
Leader	—	—	1.5	0.1	21.1	1.5	—	—	—	—	—	—	—	—	—	22.6	0.7	
Northrup	—	—	14.6	1.0	—	14.1	1.0	—	—	—	—	0.8	1.3	—	—	—	—	
King 751	—	—	—	—	—	—	—	—	—	—	—	0.8	1.3	—	—	—	—	
Success	—	—	—	—	—	—	—	—	—	—	—	0.8	1.3	—	—	—	—	
Westbred	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Express	—	—	—	—	—	—	10.8	4.5	0.1	0.3	—	—	—	—	—	10.9	0.3	
Cutlass	—	—	—	—	—	9.8	0.7	—	—	—	—	—	—	—	—	9.8	0.3	
Bounty 309	—	—	—	—	—	8.4	0.6	—	—	—	—	—	—	—	—	8.4	0.2	
Penawawa	3.1	11.1	—	—	—	—	7.0	0.5	—	—	4.3	14.8	0.8	1.3	—	8.2	0.2	
Tioga	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Westbred-906R	3.3	11.8	—	—	—	1.4	0.1	—	—	—	—	—	1.4	2.3	0.2	0.1	6.3	0.2
Westbred-936	0.1	0.4	—	—	—	—	—	—	1.9	0.8	3.5	12.1	0.2	0.3	—	—	5.7	0.2
Other & unknown	7.6	27.1	29.0	2.0	49.3	3.5	15.3	6.5	4.1	14.2	11.6	19.4	23.8	13.3	140.7	4.2	—	—
State	28.0	100.0	1458.0	100.0	1407.0	100.0	239.0	100.0	60.0	100.0	60.0	179.0	100.0	3400.0	100.0	—	—	

Top Three Spring Wheat Varieties and Percent by District



1994 Spring Wheat Varieties



DURUM WHEAT

Kyle moved from fifth place last year to first place. Kyle acreage increased from 8,000 acres to 41.1 thousand acres and now accounts for 22.8 percent of the total durum wheat acreage. Kyle is a tall medium maturity durum that is resistant to stem rust and moderately resistant to leaf rust with average test weights.

Monroe dropped to second place with 21.6 percent of the acreage, being planted on 38.9 thousand acres. Released by North Dakota in 1985, Monroe is highly resistant to most stem rust, has a high yield potential, and has favorable milling qualities and spaghetti coloring.

Westbred Laker fell to third place with 16.4 percent of the planted acreage. Westbred Laker is resistant to stem rust, moderately resistant to leaf rust and has a high yield potential. It is a tall semi-dwarf variety released by Western Plant Breeders in 1986.

Vic dropped from third to fourth place this year. It was planted on 16,000 acres and makes up 9 percent of the seeded acreage. Vic is of medium height with good disease resistance to stem rust and root rot. Its moderately resistant to leaf rust, and has satisfactory milling, processing and cooking properties.

The top four varieties accounted for 70 percent of the durum wheat acreage seeded in 1994 compared with 74 percent for the top four varieties in 1993.

DURUM WHEAT

Percent of Total Seeded Acreage 1988-1994 and Seeded Acreage 1993-1994

Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1988	1989	1990	1991	1992	1993	1994	1993 ¹	1994
Kyle	0.1	0.3	--	--	2.4	7.0	22.8	8.0	41.1
Monroe	6.1	8.3	14.3	14.2	10.3	24.2	21.6	27.8	38.9
Westbred Laker	4.0	15.2	12.7	12.6	8.9	23.5	16.4	27.1	29.5
Vic	29.7	27.4	24.0	15.5	26.6	7.7	8.9	8.9	16.0
Renville	--	--	0.6	6.0	5.9	2.8	7.2	3.2	13.0
Crosby	14.7	6.3	4.3	4.3	4.8	2.8	6.2	3.2	11.1
Ward	17.0	18.5	10.2	14.1	5.8	1.3	4.8	1.5	8.7
Lloyd	6.6	4.6	1.4	5.4	0.4	--	4.0	--	7.2
Medora	8.6	7.8	19.0	14.0	20.8	18.0	3.3	20.8	6.0
Plenty	--	--	--	--	--	--	1.7	--	3.0
Kemut	--	--	--	--	--	--	1.3	--	2.3
Cando	1.8	6.6	1.8	0.2	--	--	0.4	--	0.8
Rugby	--	--	--	2.5	--	3.1	0.3	3.5	0.5
Other & Unknown	11.4	5.0	11.7	11.2	14.1	9.6	1.1	11.0	1.9
STATE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	115.0	180.0

¹ Revised

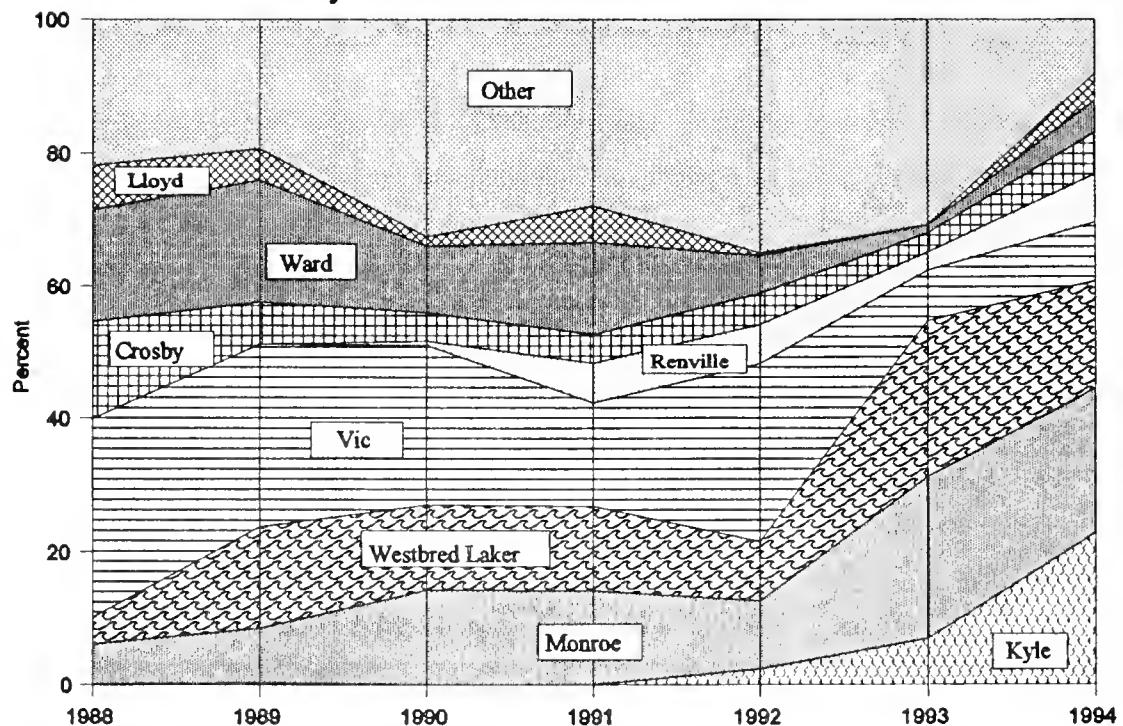
DURUM WHEAT VARIETIES

1994 Seeded Acreage and Percent of Total by Districts

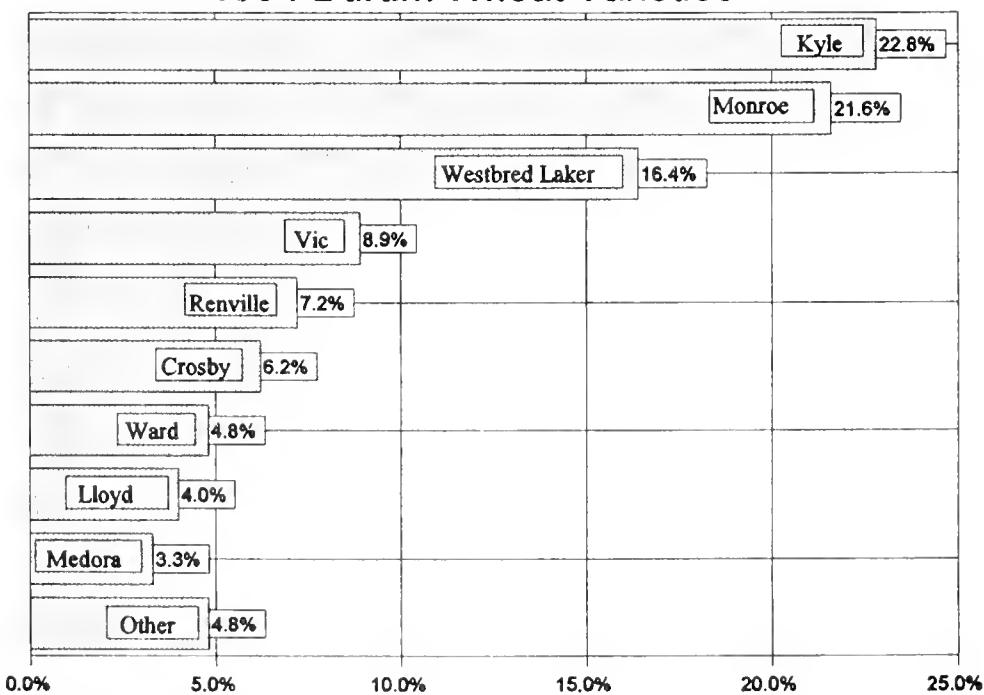
Variety	Northeast		Other Districts		State	
	(000)	%	(000)	%	(000)	%
Kyle	40.2	25.8	0.9	3.8	41.1	22.8
Monroe	38.9	25.0	--	--	38.9	21.6
Westbred Laker	13.5	8.7	16.0	66.7	29.5	16.4
Vic	16.0	10.3	--	--	16.0	8.9
Renville	13.0	8.3	--	--	13.0	7.2
Crosby	11.1	7.1	--	--	11.1	6.2
Ward	6.3	4.0	2.4	10.0	8.7	4.8
Lloyd	5.6	3.6	1.6	6.7	7.2	4.0
Medora	6.0	3.8	--	--	6.0	3.3
Plenty	3.0	1.9	--	--	3.0	1.7
Kemut	1.1	0.7	1.2	5.0	2.3	1.3
Cando	0.8	0.5	--	--	0.8	0.4
Rugby	0.5	0.3	--	--	0.5	0.3
Other & Unknown	--	--	1.9	7.8	1.9	1.1
STATE TOTAL	156.0	100.0	24.0	100.0	180.0	100.0

Durum Wheat Varieties 1988-94

Major Varieties as Percent of Total



1994 Durum Wheat Varieties



Barley

Montana farmers planted 1.3 million acres of barley in 1994, unchanged from a year ago, and 31 percent less than the ten-year average.

Harrington replaced **Hector** as the leading variety planted in Montana. **Harrington**, a malting-type barley, increased significantly from a year ago and now accounts for 27.5 percent of the planted acreage. **Hector**, a feed-type barley came in second place, it dropped a third from last year and now accounts for 15.1 percent of the acreage. Together, these two varieties account for 42.6 percent of the total barley acres seeded in Montana.

Malting-Type Barley Varieties

Malting-type varieties, grown in Montana and recommended by the American Malting Barley Association for malting and brewing use, accounted for 474,000 acres, 36 percent of total barley acres. This is a 3 percent increase over a year ago.

Harrington, planted on 27.5 percent of the total barley acreage, remains the leading malting-type variety. More than 81 percent of the **Harrington** planted is grown in the north central district. It is a two-rowed variety released by the University of Saskatchewan and developed from the cross **Klages/SK**.

AB1202, planted on 3.7 percent of the total barley acreage, remains the second largest malting-type barley. However, its acreage decreased by more than 35 percent. **AB1202** is a two-rowed variety.

Morex, a midwestern six-rowed variety and planted on 1.9 percent of the barley acreage, remains in third place. Its acreage also decreased by over 21 percent.

Clark, a two-row variety, is the fourth most popular malting-type barley. **Clark**'s acreage decreased by about 45 percent this year.

Feed-Type Varieties

Hector maintained its first place position among feed-type varieties with 15.1 percent of the state total. It is a high-yielding, two-rowed variety from Lethbridge, Canada, with good test weight and good lodging resistance.

Gallatin remains in second place among feed varieties and accounted for 8.6 percent of the total barley acreage. **Gallatin**'s acreage increased by slightly over 2 percent from a year ago. **Gallatin**, a two-row variety was developed from a cross of **Summit/Hector**.

Baronesse jumped into the third most popular feed-variety position. It accounts for 6.9 percent of the total barley acreage. It's acreage increased from 19,900 acres in 1993 to 90,300 acres this year. **Baronesse** is a two-rowed variety developed in Germany.

Barley

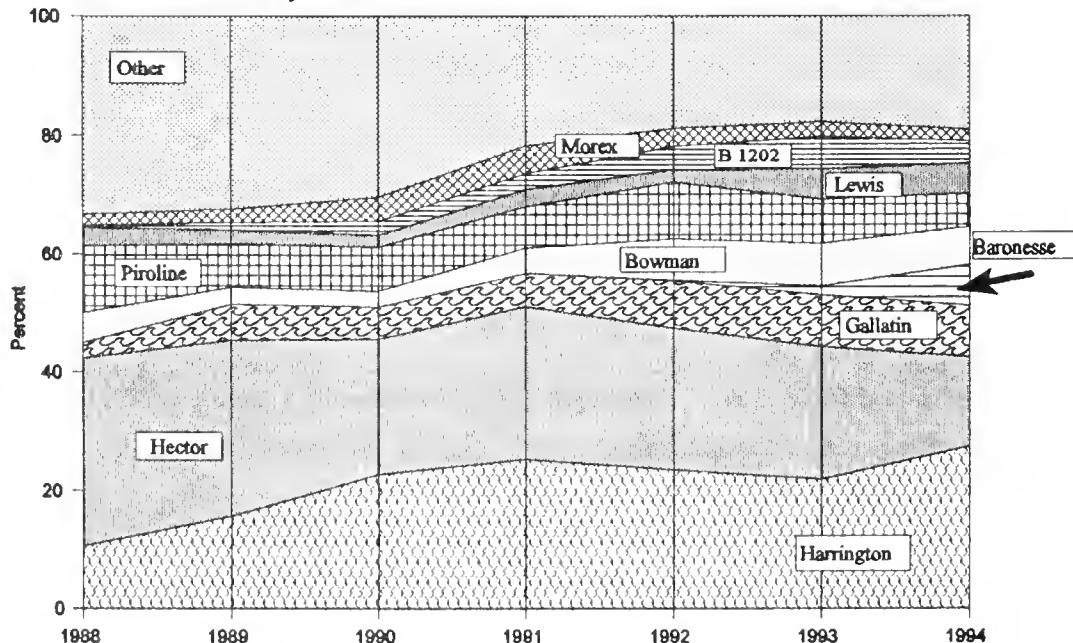
Percent of Total Seeded Acreage 1988-1994 and Seeded Acreage 1993-1994

VARIETY	PERCENT OF TOTAL SEDED ACREAGE							SEEDED ACRES (000)	
	1988	1989	1990	1991	1992	1993	1994	1993 ¹	1994
Harrington	10.5	15.6	22.7	25.3	23.5	22.0	27.5	286.5	357.3
Hector	31.8	29.8	22.9	25.8	23.9	22.5	15.1	292.4	196.9
Gallatin	2.6	6.0	5.4	5.6	8.0	8.4	8.6	108.8	111.2
Baronesse	--	--	--	--	0.1	1.5	6.9	19.9	90.3
Bowman	5.1	3.0	2.7	4.3	7.1	7.3	6.5	94.5	84.9
Pioline	11.3	7.3	7.4	7.0	9.5	7.4	5.6	95.7	72.4
Lewis	3.2	2.4	2.1	3.0	2.2	5.1	5.2	66.3	67.1
AB 1202	0.3	1.2	2.4	2.7	3.9	5.7	3.7	73.6	47.7
Morex	1.9	2.3	4.1	4.6	3.0	2.4	1.9	31.7	25.0
Menuet	1.7	1.1	1.2	1.7	1.4	0.8	1.4	10.2	18.4
Horsford	0.7	1.6	1.8	2.2	1.4	1.9	1.3	24.9	17.1
Clark	6.7	7.2	4.7	4.1	2.5	2.1	1.2	27.8	15.3
Westbred Medallion	--	--	0.1	0.1	0.6	0.5	1.1	6.1	14.8
AB 2601	--	1.4	2.1	1.3	1.4	0.6	1.1	7.3	13.8
Bearpaw	--	--	--	0.2	0.8	0.3	0.8	3.9	10.8
Galena	--	--	--	--	--	--	0.8	--	10.4
Moravian III	1.0	1.2	2.5	1.7	1.8	1.9	0.8	25.3	9.8
Haybet	--	--	--	0.1	--	--	0.7	--	9.4
Stark	--	--	--	--	--	--	0.7	--	8.6
Summit	1.1	0.4	0.5	--	0.3	0.4	0.5	5.0	6.5
AB 1215	--	--	--	--	0.3	0.4	0.4	5.6	5.2
Excel	--	--	--	--	0.1	0.2	0.4	2.6	5.1
Unitan	0.6	0.6	0.8	0.7	0.2	0.4	0.3	5.6	3.7
Whitford	--	--	0.4	--	--	--	0.2	--	3.2
Other & Unknown	21.5	18.9	16.2	9.6	8.0	8.2	7.3	106.3	95.1
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1300.0	1300.0

¹Revised

Barley Varieties 1988-94

Major Varieties as Percent of Total



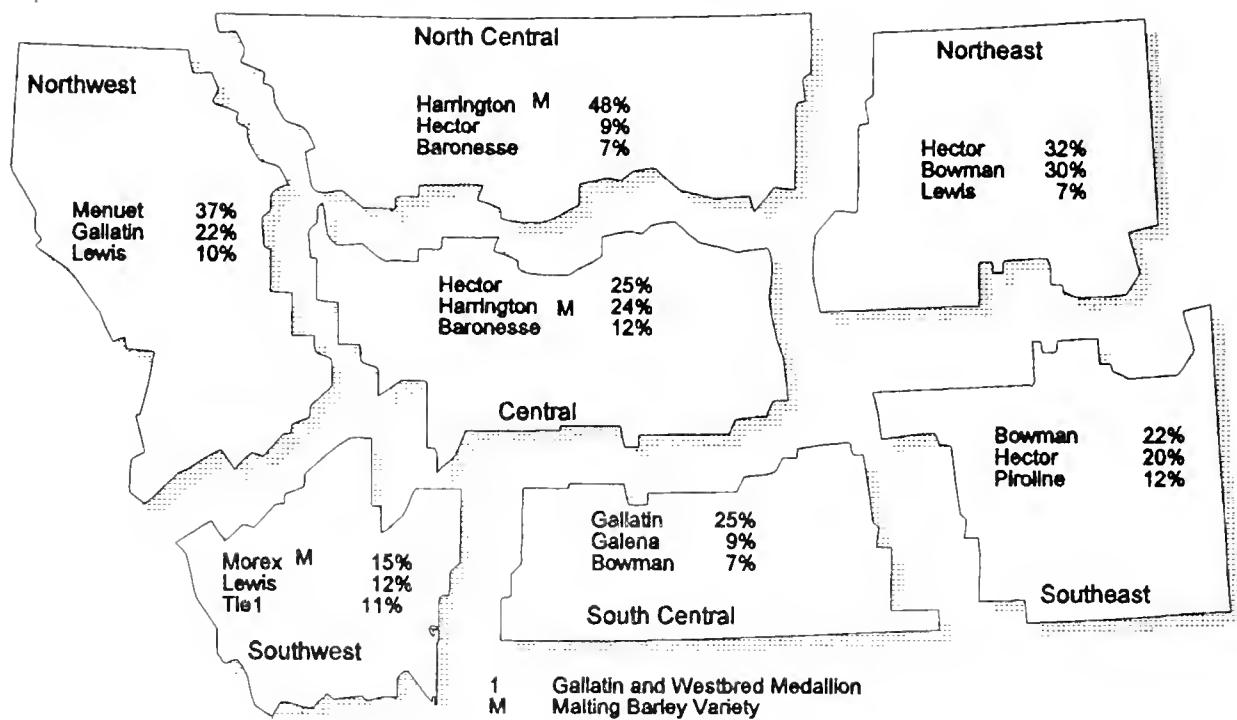
BARLEY VARIETIES

1994 Seeded Acreage and Percent of Total by Districts

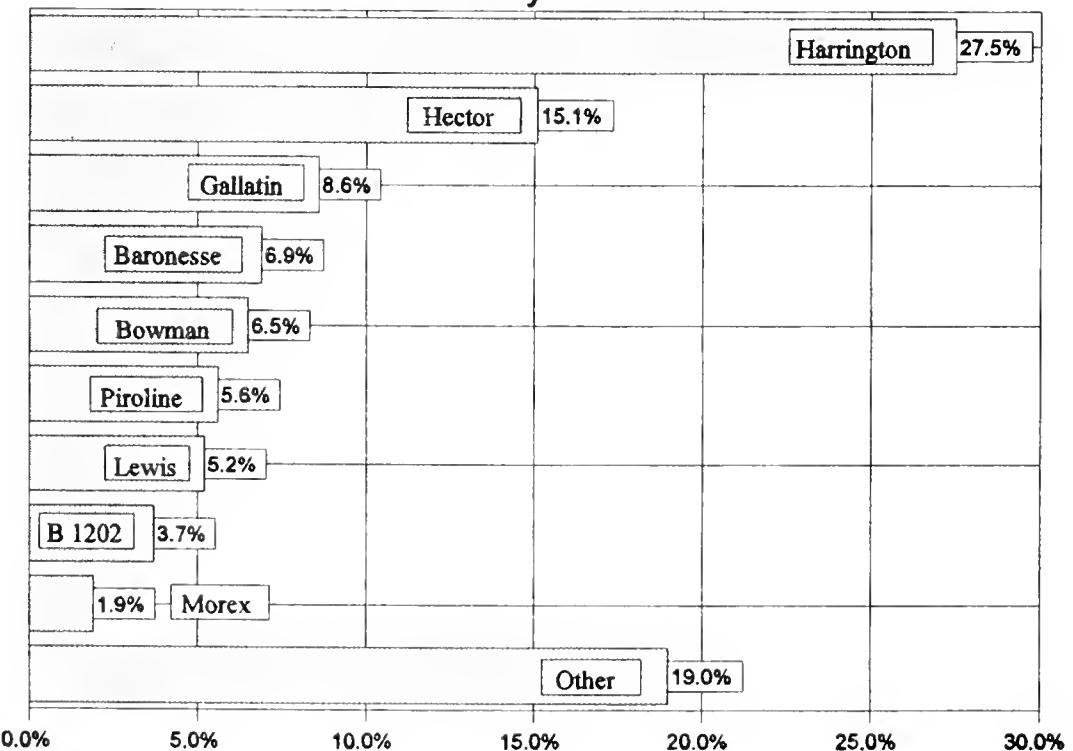
VARIETY	NORTHWEST		NORTH CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST		STATE		
	ACRES	ACRES	(000)	(000)	ACRES	ACRES	(000)	(000)	ACRES	ACRES	(000)	(000)	ACRES	ACRES	(000)	(000)	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	(000)	%	%	
Harrington ^m	--	--	289.8	47.9	3.1	1.5	61.9	23.8	2.5	4.2	--	--	--	--	357.3	27.5	
Hector	0.1	0.2	52.6	8.7	65.2	31.5	64.0	24.6	1.1	1.9	5.1	6.1	8.8	19.6	196.9	15.1	
Gellatin	8.9	21.7	36.3	6.0	6.0	2.9	29.6	11.4	6.7	11.4	20.3	24.5	3.4	7.6	111.2	8.6	
Baroness ^m	3.3	8.0	43.6	7.2	1.9	0.9	30.7	11.8	5.7	9.7	1.5	1.8	3.6	8.0	90.3	6.9	
Bowman	--	--	1.2	0.2	62.1	30.0	5.5	2.1	0.1	0.2	6.1	7.3	9.9	22.0	84.9	6.5	
Piroline ^m	--	--	41.7	6.9	6.0	2.9	15.6	6.0	0.9	1.5	2.8	3.4	5.4	12.0	72.4	5.6	
Lewis	4.0	9.8	27.8	4.6	15.3	7.4	12.7	4.9	7.3	12.4	--	--	--	--	67.1	5.2	
AB 1202 ^m	--	--	33.3	5.5	--	6.5	2.5	2.0	3.4	5.9	7.1	--	--	--	47.7	3.7	
Morex ^m	--	--	16.3	2.7	--	--	--	--	8.7	14.7	--	--	--	--	--	25.0	1.9
Manuet	15.0	36.6	--	--	--	--	--	--	2.7	4.6	0.7	0.8	--	--	--	18.4	1.4
Horsford	1.5	3.7	3.6	0.6	2.3	1.1	2.1	0.8	2.8	4.7	0.2	0.2	4.6	10.2	17.1	1.3	
Clark ^m	1.6	3.9	0.6	0.1	2.1	1.0	2.9	1.1	2.3	3.9	5.2	6.3	0.6	1.3	15.3	1.2	
Westbred	1.4	3.4	3.6	0.6	--	3.1	1.2	6.7	11.4	--	--	--	--	--	14.8	1.1	
Medallion	--	--	13.3	2.2	--	0.5	0.2	--	--	--	--	--	--	--	13.8	1.1	
AB 2601 ^m	--	--	4.8	0.8	--	4.7	1.8	0.3	0.5	1.0	1.2	--	--	--	10.8	0.8	
Bearpaw	--	--	--	--	--	--	--	--	3.1	5.3	7.3	8.8	--	--	--	10.4	0.8
Galena	--	--	6.1	1.0	--	--	--	--	--	3.7	4.5	--	--	--	9.8	0.8	
Moravian III ^m	0.2	0.5	1.2	0.2	5.8	2.8	0.3	0.1	--	--	1.2	1.4	0.7	1.6	9.4	0.7	
Haybet	--	--	1.8	0.3	0.8	0.4	--	--	--	5.5	6.6	0.5	0.5	1.1	8.6	0.7	
Sterk	--	--	0.6	0.1	2.1	1.0	3.6	1.4	0.2	0.3	--	--	--	--	6.5	0.5	
Summit	--	--	4.2	0.7	--	--	1.0	0.4	--	--	--	--	--	--	--	5.2	0.4
AB 1215	--	--	--	--	4.8	2.3	0.3	0.1	--	--	--	--	--	--	--	5.1	0.4
Excel ^m	--	--	--	--	--	--	--	--	1.3	0.5	0.4	0.7	--	--	--	3.7	0.3
Unitan	--	--	1.2	0.2	--	--	1.6	0.6	--	0.7	--	0.4	0.5	--	--	3.2	0.2
Whittord	--	--	21.4	3.5	29.5	14.3	12.1	4.7	5.5	9.2	16.1	19.5	5.5	12.2	95.1	7.3	
Other & Unknown	5.0	12.2	41.0	100.0	605.0	100.0	207.0	100.0	260.0	100.0	59.0	100.0	45.0	100.0	1300.0	100.0	
ALL VARIETIES																	

^m American Malting Barley Association, Inc. recommended for malting and brewing for Montana

Top Three Barley Varieties and Percent by District



1994 Barley Varieties



**MONTANA'S RANK AMONG THE LARGER WINTER WHEAT,
SPRING WHEAT, DURUM WHEAT AND BARLEY PRODUCING STATES**

State	1994 Seeded Acreage (000)	Rank
WINTER WHEAT		
Kansas	12,100	1
Oklahoma	7,100	2
Texas	6,000	3
Colorado	2,900	4
Washington	2,400	5
Nebraska	2,200	6
MONTANA	1,950	7
South Dakota	1,550	8
Missouri	1,250	9
Ohio	1,230	10
US Total	49,547	
SPRING WHEAT		
North Dakota	9,100	1
MONTANA	3,400	2
Minnesota	2,600	3
South Dakota	2,050	4
Idaho	650	5
US Total	18,226	
DURUM WHEAT		
North Dakota	2,300	1
MONTANA	180	2
Arizona	95	3
California	60	4
Minnesota	40	5
US Total	2,695	
BARLEY		
North Dakota	2,600	1
MONTANA	1,300	2
Idaho	740	3
Minnesota	650	4
South Dakota	380	5
US Total	7,307	

